

Constellation Guide

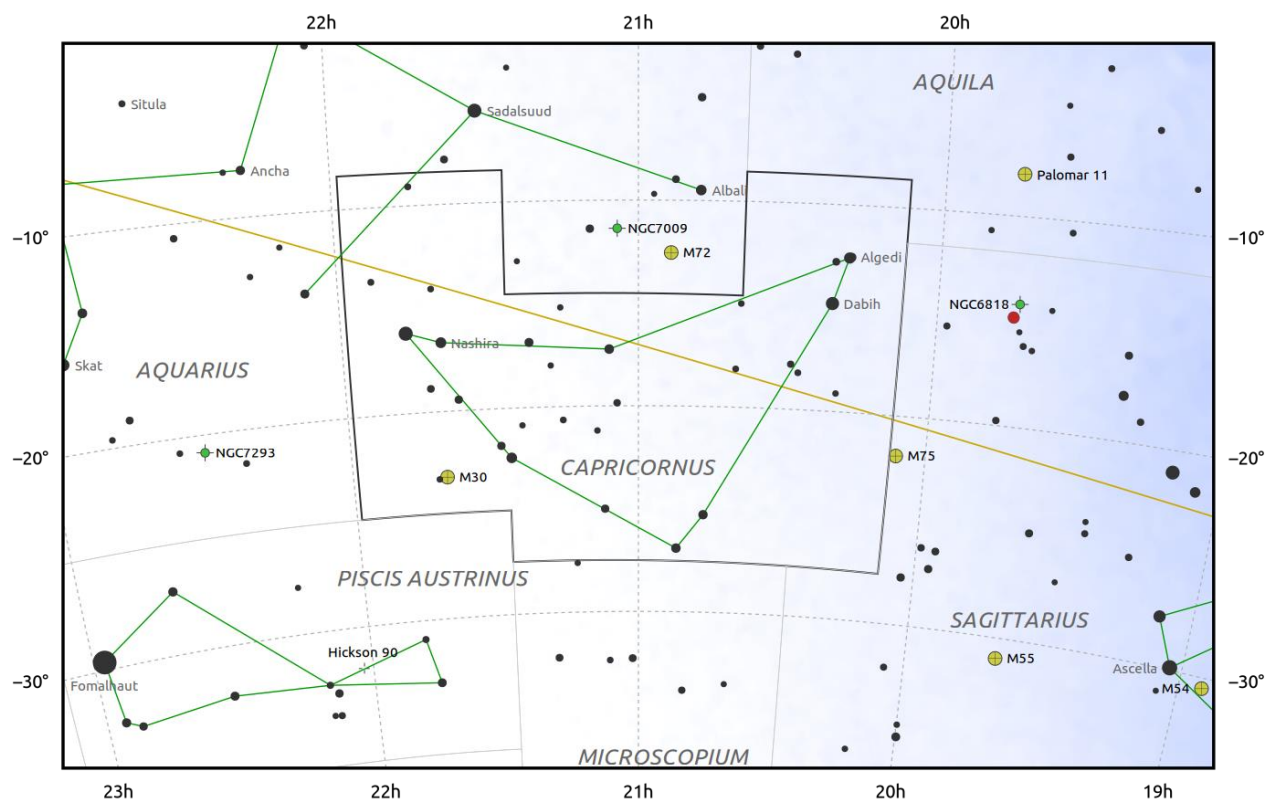
Capricornus (Cap)

Evening Visibility: **July - September**

Online Information: [Capricornus](#)

More Online Information: [Dabih](#), [Pi Cap](#), [Omicron Cap](#), RT Cap, [M-30](#)

[In-The-Sky.org](#) Constellation Map



Magnitude scale: • 5.0 • 4.0 • 3.0 • 2.0 • 1.0

— The Equator — Ecliptic Plane — Galactic Plane

● Galaxy ■ Bright nebula ● Open cluster ● Globular cluster ● Planetary nebula

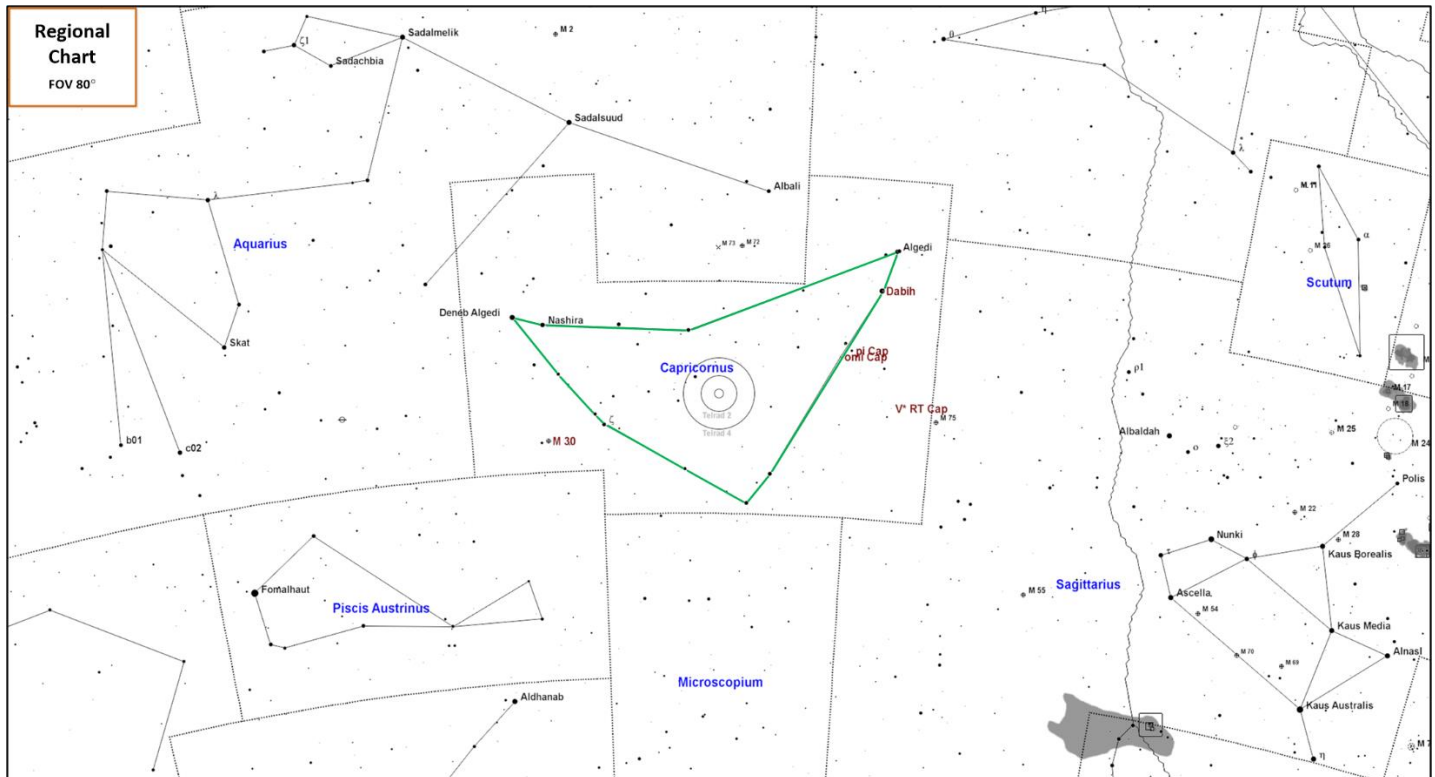
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Capricornus is Latin for “the goat” and is associated with the goat Amalthea who suckled Zeus in Greek mythology. This constellation is a fairly dim constellation.

Constellation Highlights

- **Dabih** (MS-3) - Tripple star system.
- **M-30** (GC) – Messier Globular Cluster

Constellation Targets Map

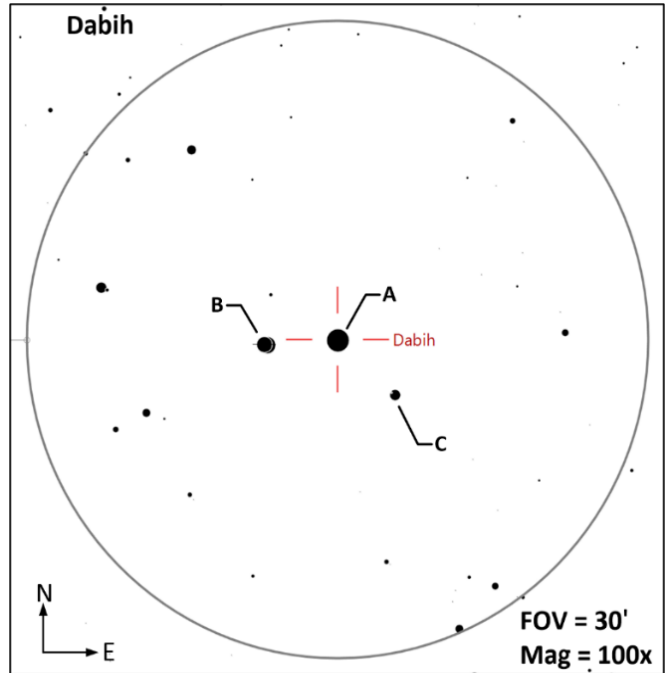
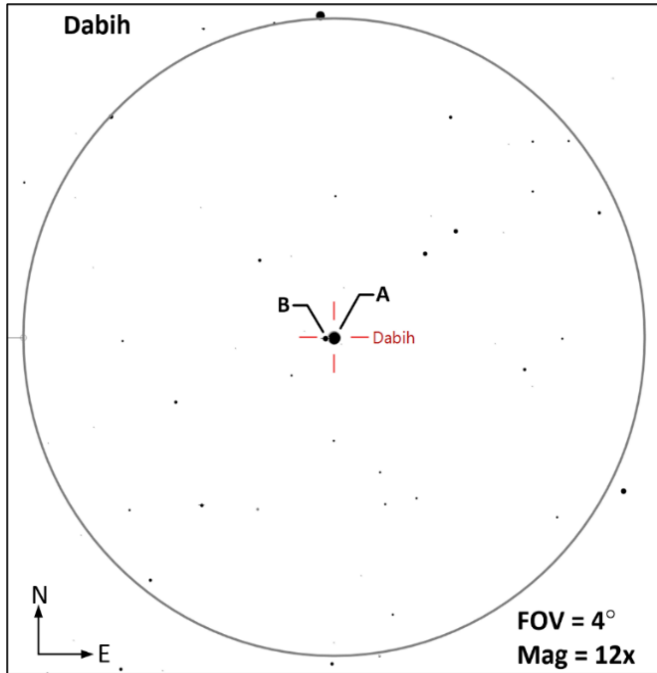


Objects Summary

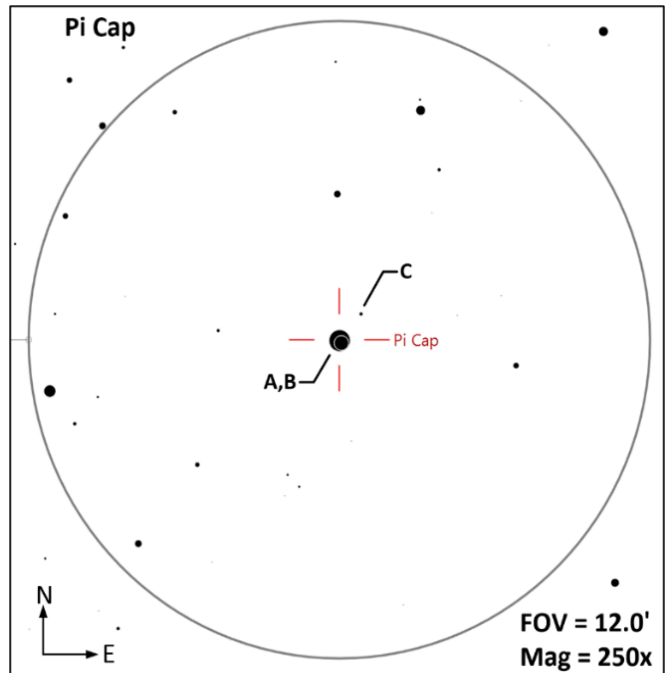
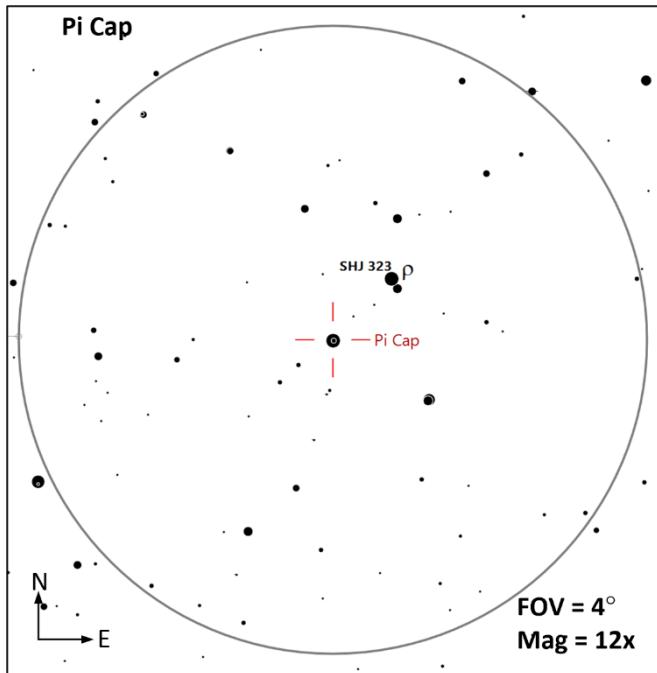
Object (Type)	Ref	Aliases	Stats
Dabih (MS)	1	SAO-163481, HIP 100345, 9 Cap, STFA 52, ADS 13717,STFA52, WDS20210-1447	AB M = 3.2, 6.1 Sep=210'' PA=266°, AC=133° AC M = 3.2, 8.3 Sep=226'' PA=133° Expected to be a 5-star system, three major components easily identified
Pi Cap (MS-3)	1	SAO-163592, HIP 100881, HD194636, π Cap, 10 Cap, HR7814, ADS 13860, Oculus	AB M = 5.1, 8.5 Sep=3.5'' PA=148° AC M = 5.1, 14.0 Sep=37.9'' PA=40°
Omicron Cap (DS)	1	SAO-163625, HIP 101120, SHJ 324,12 Cap, SACDBL9873, HD 195093, ADS 13902	AB M= 5.9, 6.9 Sep=22.0'' PA=238°
RT Cap (CS, DS)		SAO-163481, HIP 100345, 9 Cap, STFA 52, ADS 13717,STFA52, WDS20210-1447	AB M=9.3, 13.0 Sep=25.7'' PA=230°
M-30 (GC)		NGC 7099	M = 6.9 Size = 12.0' SB = 22.3

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Dabih (MS | **AB** | M = 3.2, 6.1 | Sep=210" | PA=266°, AC=133° || **AC** | M = 3.2, 8.3 | Sep=226" | PA=133°) – Suspected to be a five star system, three components are easily identified. The primary and secondary may be able to be split in Binoculars, the third component will probably require a telescope.

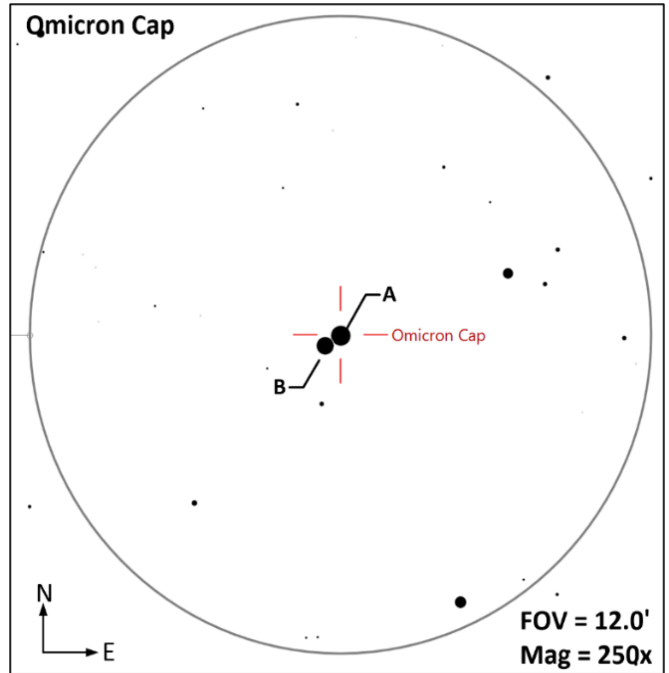
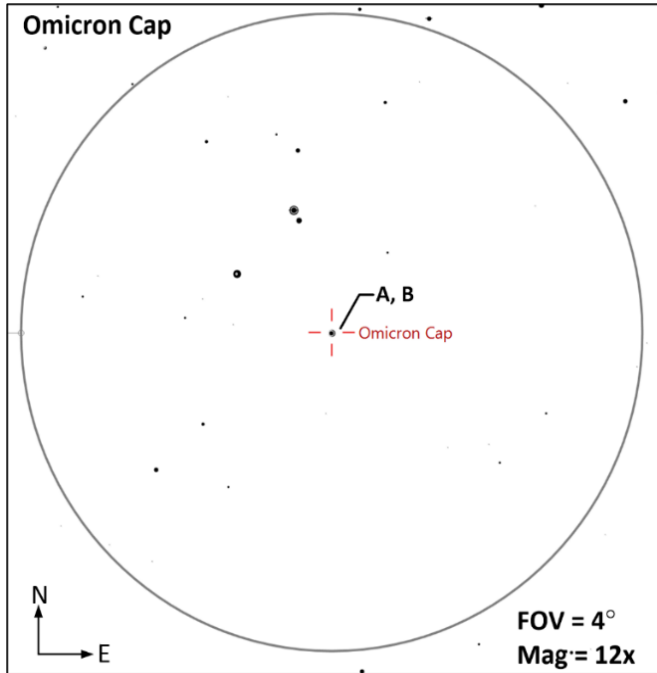


Pi Cap (MS **AB** | M = 5.1, 8.5 | Sep=3.5" | PA=148° || **AC** | M = 5.1, 14.0 | Sep=37.9" | PA=40°) – This is a triple star system that system will require a pretty high magnification to split the AB component, while the C component has a much greater separation, at Magnitude 14.0 it will likely be quite difficult to identify.

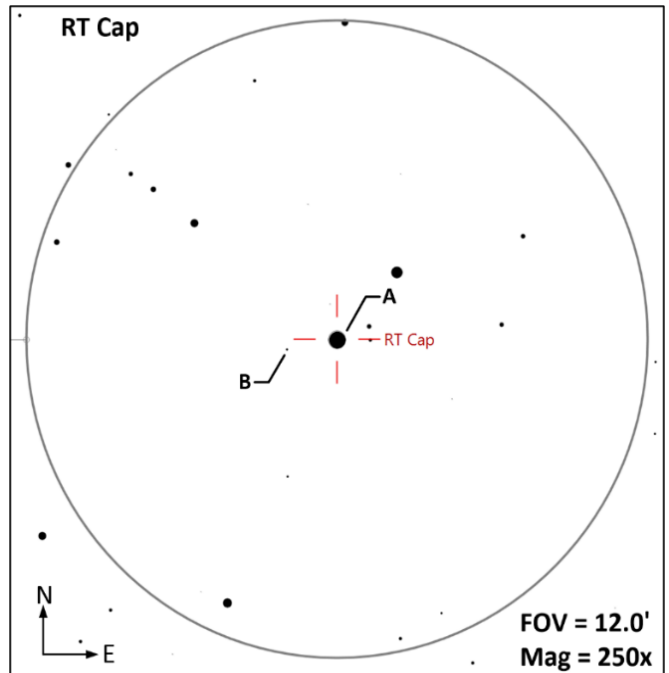
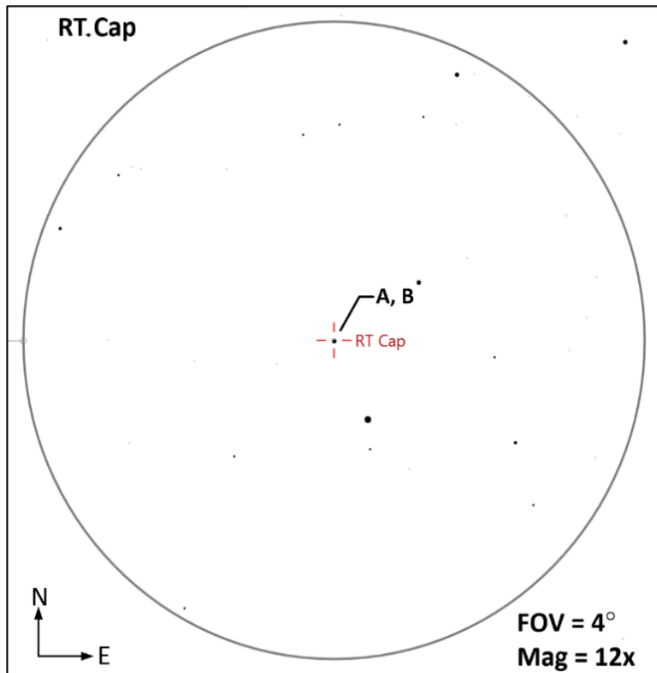


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Omicron Cap (DS | M= 5.9, 6.9 | Sep AB=22.0'' | PA = 238°) – Another Telescope Binary system. This system is located about 220 ly from earth.

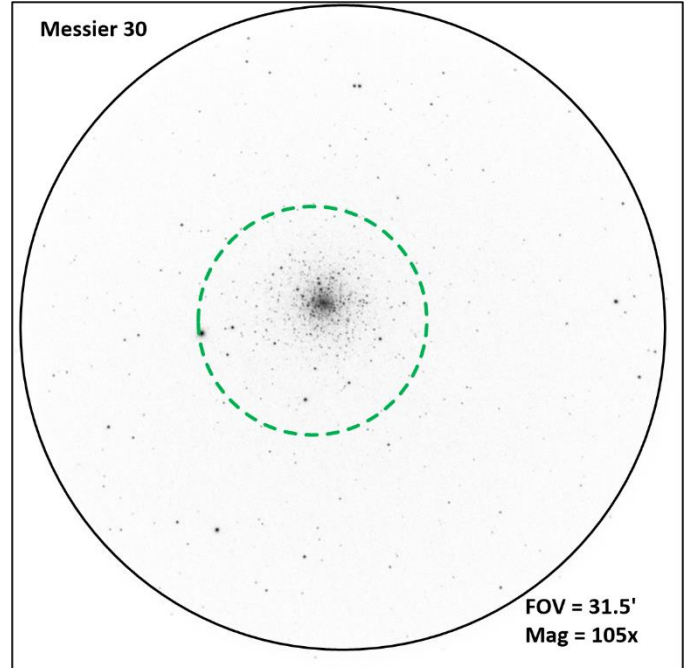
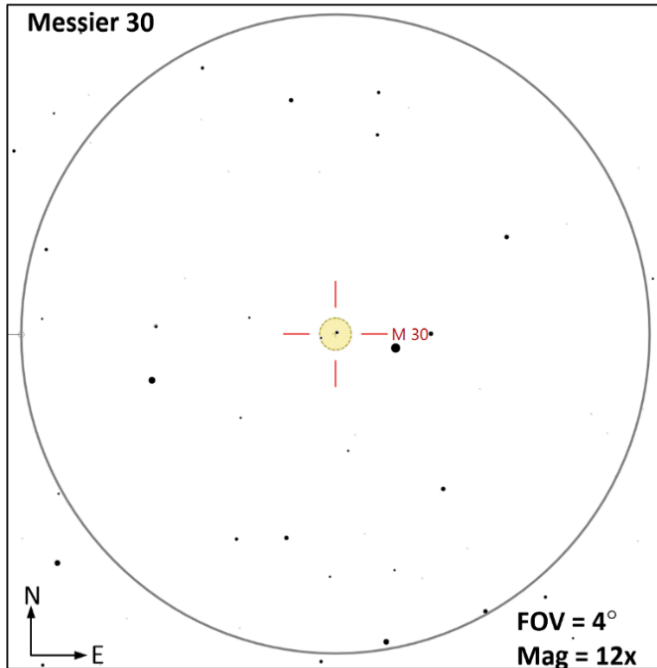


RT Cap (CS, DS | M = 9.3, 13.0 | Sep = 25.7'' | PA = 230°) – A carbon star that has a very dim companion that just might be visible in a medium size telescope.



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Messier 30 (GC | M = 6.9 | Size = 12.0' | SB = 22.3 |) – This globular cluster is located about four degrees South-east of Zeta Capricorni and is a good target for a small telescope and binoculars.



Constellation Guide

References, Resources and Tools used to create this document

The resources listed below were utilized to generate this document.

References

- Books
 - [Objects in the Heavens](#): Peter Birren
 - [Touring the Universe through Binoculars](#): Philip Harrington
 - [The Deep Sky](#): Philip Harrington
 - [Double and Multiple Stars and How to Observe Them](#): James Mullaney
 - [Sky Spot](#) Books
 - Bright Telescopic Objects: Brent Watson
 - Select Double Stars: Brent Watson
 - Overlooked Objects: Bret Watson
- Asterisms
 - Astronomical League: [Asterisms observing program](#) List
 - Asterisms: Demeiza Ramakers
 - [Pattern Asterisms](#): John Chiravalle
- [Saguaro Astronomy Club](#)
 - Asterisms List
 - [110 Best of the NGC](#)
 - Red Stars List
- Online
 - [Wikipedia](#)
 - The Garden Astronomer: [Double, Multiple, and Special Star Observations List](#)
 - Sky & Telescope: [Colored Double Stars, Real and Imagined](#)
 - [In-The-Sky.org](#)
 - [Constellation-guide.com](#)

Applications

- [SkyTools](#) 4.1 Visual Professional
- [AstroPlanner](#) Version 2.4
- [Cartes du Ciel](#) Version 4.3
- [Sky Safari](#) Pro 7
- Microsoft Office Home and business 2021 - Word
- Microsoft Visio Professional 2010
- [IrfanView](#) Version 4.72